|   |  |          |          |                 |         |           |                   |   |                 |                             |      |          |          | 10/807,116   |           |             |          |            |                 |           |              |          | KAJI ET AL. |  |          |          |         |              |                    |          |   |  |  |
|---|--|----------|----------|-----------------|---------|-----------|-------------------|---|-----------------|-----------------------------|------|----------|----------|--------------|-----------|-------------|----------|------------|-----------------|-----------|--------------|----------|-------------|--|----------|----------|---------|--------------|--------------------|----------|---|--|--|
|   |  |          |          |                 |         |           |                   |   |                 |                             |      | E        | Examiner |              |           |             |          |            |                 |           |              | Art Unit |             |  |          |          |         |              |                    |          |   |  |  |
|   |  |          |          |                 |         |           |                   |   |                 |                             |      |          | 1        | Nikita Wells |           |             |          |            |                 |           |              |          | 2881        |  |          |          |         |              |                    |          |   |  |  |
|   |  |          |          |                 |         |           | ר                 | 1 |                 |                             |      |          |          |              |           | <del></del> |          |            |                 |           |              |          |             |  |          |          |         |              |                    |          |   |  |  |
|   |  |          | √        | Rejected        |         |           |                   |   | -               | (Through numer<br>Cancelled |      |          |          |              | ral       | al)         |          | N          | No              | on-El     | n-Elected    |          |             | A  | Appeal   |          |         |              |                    |          |   |  |  |
|   |  |          |          |                 | Allowed |           |                   |   | ÷               | Restricted                  |      |          |          |              |           |             | 1        | Interferen |                 |           | ıce          | ce ,     |             | Objected   |          |          |         |              |                    |          |   |  |  |
|   |  |          |          |                 |         |           |                   |   | Ш               |                             |      |          |          |              |           |             |          |            |                 |           |              |          |             | ш  |          |          |         |              |                    |          |   |  |  |
|   | Claim  |          |          | Date            |         |           |                   |   |                 | Claim                       |      |          |          | D            |           | :           |          |            |                 | Cla       | aim          |          | Date        |  |          |          |         | ]            |                    |          |   |  |  |
|   | <u></u>  | nal      | 10/04    | -               |         |           |                   |   |                 |                             |      | _        | nal      |              |           |             |          |            |                 |           |              | <u>a</u> | nal         |  |          |          |         |              |                    |          |   |  |  |
|   | Final  | Original | 14       |                 |         |           |                   |   |                 | :                           |      | Final    | Original |              |           |             |          |            |                 |           | .:<br>:<br>: | Final    | Original    |  |          |          |         |              |                    |          |   |  |  |
|   |  | _        | >        | -+              | +       | +         | $\vdash$          |   | H               | $\dashv$                    | -    |          | 51       | $\dashv$     | +         | ╀           | ╢        | _          | $\dashv$        | +         |              |          | 101         |  | -        | +        | +       | -            | H                  |          |   |  |  |
|   | -  | S        | 6        | _               | +       | $\dagger$ | $\dagger \dagger$ |   | H               | <b>-</b>                    | _    |          | 52       |              |           | 1           | $\Box$   |            |                 |           |              |          | 102         |  |          |          |         |              | П                  |          | ] |  |  |
|   |  | 3        | 6        |                 | $\perp$ |           |                   |   |                 |                             |      | $\Box$   | 53       |              |           |             | П        |            |                 |           |              |          | 103         | Ш  |          |          | $\perp$ |              | Ш                  |          |   |  |  |
|   |  | ربي      | 8        |                 | +       | 4-        | ++                |   | Н               | -4:                         | -    |          | 54<br>55 | -            | -         | ╁           |          |            | -               | -         |              |          | 104<br>105  | $\vdash$   | _        | +-       | +-      | -            | -                  | _        | - |  |  |
|   |  | 5<br>6   | 0        |                 | +       | +         | +                 |   |                 | -                           | -    | $\dashv$ | 56       |              |           | 1           | H        |            | -+              | -         |              |          | 106         | $\vdash$   |          | ┰        | +       | +            | H                  |          | 1 |  |  |
|   |  | 7        | 4        |                 | $\top$  |           |                   |   | П               |                             | -    |          | 57       |              | 1         | †           |          |            |                 |           |              |          | 107         |  |          |          |         |              |                    |          | 1 |  |  |
|   |  | 8        |          |                 |         | $\Box$    |                   |   |                 |                             |      |          | 58       |              |           | <u> </u>    |          |            |                 | _         |              |          | 108         |  | _        | $\bot$   | $\bot$  |              | $\sqcup$           | $\perp$  | - |  |  |
|   |  | 9<br>10  | 0        | -               | +       | +-        | +                 |   | -               |                             | -    | $\dashv$ | 59<br>60 | +            | +         | $\vdash$    | $\vdash$ |            | $\vdash$        |           |              |          | 109<br>110  | $\vdash$   |          | +        | +       | +            | $\vdash$           |          | - |  |  |
| e | -  | 11       |          | -               | +       | ╁╴        | +                 |   |                 | - :                         | -    |          | 61       | +            | ╁         | +           |          |            |                 | +         |              |          | 111         | $\Box$   |          | +        | +       | $\dagger$    |                    |          | 1 |  |  |
|   |  | 12       |          |                 |         |           |                   |   |                 |                             |      |          | 62       |              |           |             |          |            |                 |           |              |          | 112         |  |          |          |         |              |                    |          | ] |  |  |
|   |  | 13       |          | $\downarrow$    |         | _         |                   |   |                 | _ :                         | _    |          | 63       | $\perp$      | _ _       | ↓_          |          |            | 4               | -         |              |          | 113         | $\sqcup$   |          | -        | +       | -            | $\vdash \vdash$    | - -      | 4 |  |  |
|   |  | 14<br>15 |          | +               | +       | - -       | ╢                 | - | $\vdash$        | -                           | -    |          | 64<br>65 | +            | +         | +-          |          |            | $\dashv$        | -         | 1            |          | 114<br>115  | $\vdash$   | $\dashv$ | +        | +       | +            | $\vdash$           | +-       | 1 |  |  |
|   |  | 16       | -        |                 | 1       | ╁         | 1-1               | - |                 | $\dashv$                    | -    | $\neg$   | 66       | 1            | +         | t           | $\vdash$ |            | H               | 1         |              |          | 116         | $\Box$   | 十        | $\dashv$ | 1       | $\top$       | $\Box$             | $\top$   | 1 |  |  |
|   |  | 17       |          |                 |         |           |                   |   |                 |                             |      |          | 67       |              |           |             |          |            |                 |           |              |          | 117         |  | $\Box$   |          |         | $oxed{\bot}$ |                    |          | ] |  |  |
|   |  | 18       |          |                 | -       | +         | +                 |   | -               | -                           | -    | $\dashv$ | 68<br>69 | -            | +         | -           | $\vdash$ |            | $\dashv$        | - -       |              |          | 118<br>119  | $\vdash$   | +        | +        | +       | +-           | +                  | -        | - |  |  |
|   | <u> </u>   | 19<br>20 | ├        | -               | -       | +         | ╁                 |   | $\vdash$        | -                           | -    | -        | 70       | +            | +         | ╁           | $\vdash$ |            | $\dashv$        | +         | 1            | <u> </u> | 120         | $\vdash$   | $\dashv$ |          | +       | +            | $\Box$             |          | 1 |  |  |
|   |  | 21       |          |                 | 1       |           |                   | _ |                 |                             |      |          | 71       |              | t         | 1           |          |            |                 |           |              |          | 121         |  |          |          |         |              |                    |          | 1 |  |  |
|   |  | 22       |          |                 |         |           |                   | _ |                 | _                           |      |          | 72       | 4            | 4         | $\perp$     |          |            |                 |           | ļ            |          | 122         | $\sqcup$   | $\dashv$ |          | 4       | 1            | $\sqcup$           | -        | 4 |  |  |
|   | <u> </u>   | 23<br>24 |          | -               |         |           | +                 |   | Н               | -                           | -    |          | 73<br>74 | +            | +         | -           | $\vdash$ |            | $\vdash$        | - -       | 1            |          | 123<br>124  | $\vdash$   | -        | +        | +       | +            | $\vdash$           |          | - |  |  |
|   | <del>                                     </del> | 25       | -        | -               | +       | +         | $\forall$         |   |                 | -                           | -    | $\dashv$ | 75       | -            | $\dagger$ | +           | $\Box$   | _          | $\vdash$        |           |              |          | 125         |  | $\dashv$ | $\top$   | $\top$  | 1            | $\dagger \dagger$  |          |   |  |  |
|   |  | 26       |          |                 |         |           |                   |   |                 |                             |      |          | 76       | $\Box$       |           |             |          |            |                 |           |              |          | 126         |  | $\Box$   |          |         |              | П                  |          | ] |  |  |
|   | <u> </u>   | 27       |          | $\dashv$        | +       | -         |                   |   | $\square$       | -                           | -    | _        | 77<br>78 | +            | 1         | +           | -        |            | $\dashv$        | - -       |              | <b></b>  | 127<br>128  | H  | +        | -        | -       | +            | $\vdash$           | -        | - |  |  |
|   | <u> </u>   | 28<br>29 |          | $\dashv$        | +       | ╁         | ╁╾┼               |   | $\vdash$        | $\dashv$                    | -    |          | 79       | +            | +         | +           | -        |            | $\vdash$        | +         |              |          | 129         | $\vdash$   | $\dashv$ | ╁        | +       | _            | +                  | _        | 1 |  |  |
|   |  | 30       |          |                 |         |           |                   |   |                 |                             |      |          | 80       |              |           |             |          |            |                 |           | ]            |          | 130         |  |          |          |         |              |                    |          | ] |  |  |
|   |  | 31       | <u> </u> | $\dashv$        | _       | $\perp$   | $\perp$           |   |                 | _                           | _    |          | 81       |              | $\bot$    | $\perp$     | $\sqcup$ |            | _               | _ _       |              |          | 131         | $\left  - \right $   |          | -        |         | +            | 1-1                |          | - |  |  |
|   |  | 32<br>33 | $\vdash$ | $\dashv$        | +       | +-        | ++                |   | $\vdash$        | -                           | -    |          | 82<br>83 |              | +         | +           | $\vdash$ | _          | $\dashv$        |           | 1            | <u> </u> | 132<br>133  | $\vdash$   |          |          | +       | +            | H                  |          | - |  |  |
|   | _  | 34       |          | $\dashv$        | +       | +-        | 1                 |   | Н               | -                           | -    |          | 84       | +            | +         | †           | $\vdash$ | _          | $\vdash$        | _         | 1            |          | 134         |  | +        | +-       | 1       | $\dagger$    | $\Box$             | $\dashv$ | 1 |  |  |
|   |  | 35       |          |                 |         |           |                   | _ |                 |                             |      |          | 85       |              | I         |             |          |            |                 |           |              |          | 135         |  |          |          | 1       |              |                    |          |   |  |  |
|   |  | 36       | _        | $\vdash$        | +       | -         | $\sqcup$          | _ | $\vdash \vdash$ |                             | _    |          | 86       | _            | +         | -           | $\vdash$ |            | Н               | -         |              | <u> </u> | 136<br>137  | $\vdash$   | -        | +        | -       |              | $\vdash$           |          | - |  |  |
|   | $\vdash$   | 37<br>38 | -        | -               | +       | +         | +                 |   | $\vdash$        | -                           | -    | -        | 87<br>88 |              | +-        | +           |          |            | $\vdash$        | +         | 1            |          | 138         | H  | 十        | +        | ╅       | +            | $\forall \exists$  | -        | 1 |  |  |
|   |  | 39       | 一        | $\vdash$        |         | 1-        |                   |   |                 |                             |      |          | 89       |              |           |             |          |            |                 |           |              |          | 139         |  |          |          |         |              |                    |          | ] |  |  |
|   |  | 40       |          |                 |         | Ţ         | П                 |   | П               | $\Box$                      |      |          | 90       | 1            | T         | T           | П        |            | Щ               | $\bot$    |              |          | 140         | $\Box$   | T        | $\bot$   | _       | $\bot$       | $\perp \downarrow$ | _        | 4 |  |  |
|   |  | 41       | -        | $\vdash \vdash$ | +       | +         | +                 |   | $\vdash$        | -                           | -    |          | 91<br>92 | +            | +         | +           | $\vdash$ |            | $\vdash \vdash$ |           |              | <u> </u> | 141<br>142  | H  |          | +        | +       | +            | ++                 | $\dashv$ | - |  |  |
|   | <del>                                     </del> | 42       | $\vdash$ | $\vdash \vdash$ | +       | +         | +                 | _ | H               | -                           | -    |          | 93       | 十            | +         | +           | $\vdash$ | _          | $\vdash \vdash$ | +         |              | -        | 143         | $\dagger$  | $\dashv$ | $\dashv$ | $\top$  | $^{\perp}$   | $\Box$             |          |   |  |  |
|   |  | 44       |          |                 |         |           |                   |   |                 |                             |      |          | 94_      |              | I         | Ţ           |          |            |                 |           |              |          | 144         |  | $\Box$   |          |         |              | П                  |          |   |  |  |
|   |  | 45       | <u> </u> | $\Box$          | $\perp$ | $\perp$   | igoplus           |   | $\sqcup$        | _                           | L    |          | 95       |              | +         | +           | $\sqcup$ |            | $\vdash \vdash$ | +         | -            |          | 145<br>146  |  | -        | +        | +       | +-           |                    |          | - |  |  |
|   | <u> </u>   | 46<br>47 | ├-       | $\vdash \vdash$ | +       | +         | +                 |   | ┼╌┤             | -                           | ⊩    |          | 96<br>97 | $\dashv$     | +         | +           | +        |            | ╁┼              |           | 1            | -        | 146         | -  | -+       | +        | +       | +            | ┿┥                 | -        | - |  |  |
|   |  | 48       | L        | 廿               |         | $\pm$     |                   |   |                 |                             |      |          | 98       |              |           |             |          |            |                 |           |              |          | 148         |  | 士        |          |         |              |                    |          |   |  |  |
|   |  | 49       |          |                 |         | $\bot$    |                   |   | П               |                             | L    |          | 99       | 丌            | $\bot$    | L           | $\Box$   |            |                 | $-\Gamma$ | 4            |          | 149         |  | $\perp$  | 1        | 1       | 1            | $\sqcup$           |          | 4 |  |  |
|   | L  | 50       | L        |                 |         | 上         |                   |   |                 | ];:                         | :::L |          | 100      |              |           |             |          |            |                 |           | ان بزا       |          | 150         | $oldsymbol{ol}}}}}}}}}}}}}}}}}}$ |          |          |         |              |                    |          | ┙ |  |  |

Application No.

Index of Claims

Applicant(s)